

Refine Search

Search Results -

| Terms | Documents |
|-------------|-----------|
| L41 not L40 | 4 |

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L42

Refine Search

Recall Text

Clear

Interrupt

Search History

DATE: Wednesday, February 25, 2004 [Printable Copy](#) [Create Case](#)

| <u>Set Name</u> side by side | <u>Query</u> | <u>Hit Count</u> | <u>Set Name</u> result set |
|---|--|------------------|-------------------------------|
| <i>DB=USPT; PLUR=YES; OP=OR</i> | | | |
| <u>L42</u> | L41 not L40 | 4 | <u>L42</u> |
| <u>L41</u> | L36 and (schema\$1 same identif\$) | 5 | <u>L41</u> |
| <u>L40</u> | L36 and L8 | 1 | <u>L40</u> |
| <u>L39</u> | L38 not L29 | 34 | <u>L39</u> |
| <u>L38</u> | L37 not L24 | 34 | <u>L38</u> |
| <u>L37</u> | L35 and (attribute near ID) | 34 | <u>L37</u> |
| <i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i> | | | |
| <u>L36</u> | L35 and (attribute near ID) | 68 | <u>L36</u> |
| <u>L35</u> | L11 and (retriev\$3 same document\$2) | 3097 | <u>L35</u> |
| <u>L34</u> | L33 and (L15 or L16) | 17 | <u>L34</u> |
| <u>L33</u> | L32 and ((chang\$3 or modify\$3 or updat\$3 or (up near dat\$3)) same schema\$1) | 331 | <u>L33</u> |
| <u>L32</u> | L31 and (manag\$6 same table\$1) | 3593 | <u>L32</u> |

| | | | |
|------------|---|-------|------------|
| <u>L31</u> | L30 and request\$3 | 13273 | <u>L31</u> |
| <u>L30</u> | retriev\$3 and document\$2 and quer\$3 | 16098 | <u>L30</u> |
| <u>L29</u> | L26 and (retriev\$3 with document\$2) | 16 | <u>L29</u> |
| <u>L28</u> | L26 and (retriev\$3 same document\$2) | 16 | <u>L28</u> |
| <u>L27</u> | L26 and retriev\$3 | 16 | <u>L27</u> |
| <u>L26</u> | L24 and schema\$1 | 16 | <u>L26</u> |
| <u>L25</u> | L24 and L9 | 1 | <u>L25</u> |
| <u>L24</u> | L3 and (L11 or L12) | 112 | <u>L24</u> |
| <u>L23</u> | L22 and L1 | 1 | <u>L23</u> |
| <u>L22</u> | (document\$1 near (retriev\$ or search\$3)) near3 request\$3 | 516 | <u>L22</u> |
| <u>L21</u> | L20 and L1 | 1 | <u>L21</u> |
| <u>L20</u> | L18 and L3 | 1 | <u>L20</u> |
| <u>L19</u> | L17 and L3 | 2 | <u>L19</u> |
| <u>L18</u> | L16 and (attribute near ID) | 2 | <u>L18</u> |
| <u>L17</u> | L15 and (attribute near ID) | 89 | <u>L17</u> |
| <u>L16</u> | L15 and L9 | 22 | <u>L16</u> |
| <u>L15</u> | 715/\$.ccls. | 7430 | <u>L15</u> |
| <u>L14</u> | L12 and L9 | 0 | <u>L14</u> |
| <u>L13</u> | L11 and L9 | 92 | <u>L13</u> |
| <u>L12</u> | 715/515.ccls. | 174 | <u>L12</u> |
| <u>L11</u> | 707/\$.ccls. | 19107 | <u>L11</u> |
| <u>L10</u> | L9 and ("attribute ID") | 4 | <u>L10</u> |
| <u>L9</u> | L8 and (assign\$3 or generat\$3) | 226 | <u>L9</u> |
| <u>L8</u> | schema\$1 near identif\$ | 240 | <u>L8</u> |
| <u>L7</u> | L6 and ((chang\$3 or modify\$3 or updat\$3 or (up near dat\$3)) near schema\$1) | 1 | <u>L7</u> |
| <u>L6</u> | L5 and (chang\$3 or modify\$3 or updat\$3 or (up near dat\$3)) | 58 | <u>L6</u> |
| <u>L5</u> | L3 and L2 | 58 | <u>L5</u> |
| <u>L4</u> | L3 and L1 | 1 | <u>L4</u> |
| <u>L3</u> | (document\$1 near retriev\$) near3 request\$3 | 400 | <u>L3</u> |
| <u>L2</u> | "unique identifier" | 15337 | <u>L2</u> |
| <u>L1</u> | "unique identifier value" | 77 | <u>L1</u> |

END OF SEARCH HISTORY

Refine Search

Search Results -

| Terms | Documents |
|----------------------|-----------|
| L33 and (L15 or L16) | 17 |

Database:

US Pre-Grant Publication Full-Text Database
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 IBM Technical Disclosure Bulletins

Search:

L34

Refine Search

Recall Text

Clear

Interrupt

Search History

 DATE: Wednesday, February 25, 2004 [Printable Copy](#) [Create Case](#)

| <u>Set Name</u> side by side | <u>Query</u> | <u>Hit Count</u> | <u>Set Name</u> result set |
|---------------------------------|--|------------------|-------------------------------|
| | <i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i> | | |
| <u>L34</u> | L33 and (L15 or L16) | 17 | <u>L34</u> |
| <u>L33</u> | L32 and ((chang\$3 or modify\$3 or updat\$3 or (up near dat\$3)) same schema\$1) | 331 | <u>L33</u> |
| <u>L32</u> | L31 and (manag\$6 same table\$1) | 3593 | <u>L32</u> |
| <u>L31</u> | L30 and request\$3 | 13273 | <u>L31</u> |
| <u>L30</u> | retriev\$3 and document\$2 and quer\$3 | 16098 | <u>L30</u> |
| <u>L29</u> | L26 and (retriev\$3 with document\$2) | 16 | <u>L29</u> |
| <u>L28</u> | L26 and (retriev\$3 same document\$2) | 16 | <u>L28</u> |
| <u>L27</u> | L26 and retriev\$3 | 16 | <u>L27</u> |
| <u>L26</u> | L24 and schema\$1 | 16 | <u>L26</u> |
| <u>L25</u> | L24 and L9 | 1 | <u>L25</u> |
| <u>L24</u> | L3 and (L11 or L12) | 112 | <u>L24</u> |
| <u>L23</u> | L22 and L1 | 1 | <u>L23</u> |

| | | | |
|------------|---|-------|------------|
| <u>L22</u> | (document\$1 near (retriev\$ or search\$3)) near3 request\$3 | 516 | <u>L22</u> |
| <u>L21</u> | L20 and L1 | 1 | <u>L21</u> |
| <u>L20</u> | L18 and L3 | 1 | <u>L20</u> |
| <u>L19</u> | L17 and L3 | 2 | <u>L19</u> |
| <u>L18</u> | L16 and (attribute near ID) | 2 | <u>L18</u> |
| <u>L17</u> | L15 and (attribute near ID) | 89 | <u>L17</u> |
| <u>L16</u> | L15 and L9 | 22 | <u>L16</u> |
| <u>L15</u> | 715/\$.ccls. | 7430 | <u>L15</u> |
| <u>L14</u> | L12 and L9 | 0 | <u>L14</u> |
| <u>L13</u> | L11 and L9 | 92 | <u>L13</u> |
| <u>L12</u> | 715/515.ccls. | 174 | <u>L12</u> |
| <u>L11</u> | 707/\$.ccls. | 19107 | <u>L11</u> |
| <u>L10</u> | L9 and ("attribute ID") | 4 | <u>L10</u> |
| <u>L9</u> | L8 and (assign\$3 or generat\$3) | 226 | <u>L9</u> |
| <u>L8</u> | schema\$1 near identif\$ | 240 | <u>L8</u> |
| <u>L7</u> | L6 and ((chang\$3 or modify\$3 or updat\$3 or (up near dat\$3)) near schema\$1) | 1 | <u>L7</u> |
| <u>L6</u> | L5 and (chang\$3 or modify\$3 or updat\$3 or (up near dat\$3)) | 58 | <u>L6</u> |
| <u>L5</u> | L3 and L2 | 58 | <u>L5</u> |
| <u>L4</u> | L3 and L1 | 1 | <u>L4</u> |
| <u>L3</u> | (document\$1 near retriev\$) near3 request\$3 | 400 | <u>L3</u> |
| <u>L2</u> | "unique identifier" | 15337 | <u>L2</u> |
| <u>L1</u> | "unique identifier value" | 77 | <u>L1</u> |

END OF SEARCH HISTORY

Refine Search

Search Results -

| Terms | Documents |
|------------|-----------|
| L22 and L1 | 1 |

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Search:

L23

Refine Search

Recall Text

Clear

Interrupt

Search History

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| <u>Set</u> <u>Name</u> side by side | <u>Query</u> | <u>Hit</u> <u>Count</u> | <u>Set</u> <u>Name</u> result set |
|---|--|----------------------------|---|
| <i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i> | | | |
| <u>L23</u> | L22 and L1 | 1 | <u>L23</u> |
| <u>L22</u> | (document\$1 near (retriev\$ or search\$3)) near3 request\$3 | 516 | <u>L22</u> |
| <u>L21</u> | L20 and L1 | 1 | <u>L21</u> |
| <u>L20</u> | L18 and L3 | 1 | <u>L20</u> |
| <u>L19</u> | L17 and L3 | 2 | <u>L19</u> |
| <u>L18</u> | L16 and (attribute near ID) | 2 | <u>L18</u> |
| <u>L17</u> | L15 and (attribute near ID) | 89 | <u>L17</u> |
| <u>L16</u> | L15 and L9 | 22 | <u>L16</u> |
| <u>L15</u> | 715/\$.ccls. | 7430 | <u>L15</u> |
| <u>L14</u> | L12 and L9 | 0 | <u>L14</u> |
| <u>L13</u> | L11 and L9 | 92 | <u>L13</u> |
| <u>L12</u> | 715/515.ccls. | 174 | <u>L12</u> |
| <u>L11</u> | 707/\$.ccls. | 19107 | <u>L11</u> |

| | | | |
|------------|---|-------|------------|
| <u>L10</u> | L9 and ("attribute ID") | 4 | <u>L10</u> |
| <u>L9</u> | L8 and (assign\$3 or generat\$3) | 226 | <u>L9</u> |
| <u>L8</u> | schema\$1 near identif\$ | 240 | <u>L8</u> |
| <u>L7</u> | L6 and ((chang\$3 or modify\$3 or updat\$3 or (up near dat\$3)) near schema\$1) | 1 | <u>L7</u> |
| <u>L6</u> | L5 and (chang\$3 or modify\$3 or updat\$3 or (up near dat\$3)) | 58 | <u>L6</u> |
| <u>L5</u> | L3 and L2 | 58 | <u>L5</u> |
| <u>L4</u> | L3 and L1 | 1 | <u>L4</u> |
| <u>L3</u> | (document\$1 near retriev\$) near3 request\$3 | 400 | <u>L3</u> |
| <u>L2</u> | "unique identifier" | 15337 | <u>L2</u> |
| <u>L1</u> | "unique identifier value" | 77 | <u>L1</u> |

END OF SEARCH HISTORY

Refine Search

Search Results -

| Terms | Documents |
|------------|-----------|
| L20 and L1 | 1 |

Database:

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Search:

L21

Refine Search

Recall Text

Clear

Interrupt

Search History

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| <u>Set Name</u> side by side | <u>Query</u> | <u>Hit Count</u> | <u>Set Name</u> result set |
|---|----------------------------------|------------------|-------------------------------|
| <i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i> | | | |
| <u>L21</u> | L20 and L1 | 1 | <u>L21</u> |
| <u>L20</u> | L18 and L3 | 1 | <u>L20</u> |
| <u>L19</u> | L17 and L3 | 2 | <u>L19</u> |
| <u>L18</u> | L16 and (attribute near ID) | 2 | <u>L18</u> |
| <u>L17</u> | L15 and (attribute near ID) | 89 | <u>L17</u> |
| <u>L16</u> | L15 and L9 | 22 | <u>L16</u> |
| <u>L15</u> | 715/\$.ccls. | 7430 | <u>L15</u> |
| <u>L14</u> | L12 and L9 | 0 | <u>L14</u> |
| <u>L13</u> | L11 and L9 | 92 | <u>L13</u> |
| <u>L12</u> | 715/515.ccls. | 174 | <u>L12</u> |
| <u>L11</u> | 707/\$.ccls. | 19107 | <u>L11</u> |
| <u>L10</u> | L9 and ("attribute ID") | 4 | <u>L10</u> |
| <u>L9</u> | L8 and (assign\$3 or generat\$3) | 226 | <u>L9</u> |

| | | | |
|-----------|---|-------|-----------|
| <u>L8</u> | schema\$1 near identif\$ | 240 | <u>L8</u> |
| <u>L7</u> | L6 and ((chang\$3 or modify\$3 or updat\$3 or (up near dat\$3)) near schema\$1) | 1 | <u>L7</u> |
| <u>L6</u> | L5 and (chang\$3 or modify\$3 or updat\$3 or (up near dat\$3)) | 58 | <u>L6</u> |
| <u>L5</u> | L3 and L2 | 58 | <u>L5</u> |
| <u>L4</u> | L3 and L1 | 1 | <u>L4</u> |
| <u>L3</u> | (document\$1 near retriev\$) near3 request\$3 | 400 | <u>L3</u> |
| <u>L2</u> | "unique identifier" | 15337 | <u>L2</u> |
| <u>L1</u> | "unique identifier value" | 77 | <u>L1</u> |

END OF SEARCH HISTORY

Hit List

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[Generate OACS](#)

Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 20020007375 A1

Using default format because multiple data bases are involved.

L21: Entry 1 of 1

File: PGPB

Jan 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020007375

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020007375 A1

TITLE: Document management method and computer-readable storage medium storing program code for executing the same

PUBLICATION-DATE: January 17, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|------------|-------|-------|---------|---------|
| Ebata, Jun | Tokyo | | JP | |

US-CL-CURRENT: [715/513](#); [707/100](#)

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

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| | |
|------------|-----------|
| Terms | Documents |
| L20 and L1 | 1 |

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Refine Search

Search Results -

| Terms | Documents |
|-------------------------|-----------|
| L9 and ("attribute ID") | 4 |

Database:

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 IBM Technical Disclosure Bulletins

Search:

L10

Refine Search

Recall Text

Clear

Interrupt

Search History

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| <u>Set</u> <u>Name</u> side by side | <u>Query</u> | <u>Hit</u> <u>Count</u> | <u>Set</u> <u>Name</u> result set |
|---|---|----------------------------|---|
| <i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i> | | | |
| <u>L10</u> | L9 and ("attribute ID") | 4 | <u>L10</u> |
| <u>L9</u> | L8 and (assign\$3 or generat\$3) | 226 | <u>L9</u> |
| <u>L8</u> | schema\$1 near identif\$ | 240 | <u>L8</u> |
| <u>L7</u> | L6 and ((chang\$3 or modify\$3 or updat\$3 or (up near dat\$3)) near schema\$1) | 1 | <u>L7</u> |
| <u>L6</u> | L5 and (chang\$3 or modify\$3 or updat\$3 or (up near dat\$3)) | 58 | <u>L6</u> |
| <u>L5</u> | L3 and L2 | 58 | <u>L5</u> |
| <u>L4</u> | L3 and L1 | 1 | <u>L4</u> |
| <u>L3</u> | (document\$1 near retriev\$) near3 request\$3 | 400 | <u>L3</u> |
| <u>L2</u> | "unique identifier" | 15337 | <u>L2</u> |
| <u>L1</u> | "unique identifier value" | 77 | <u>L1</u> |

END OF SEARCH HISTORY

Refine Search

Search Results -

| Terms | Documents |
|---|-----------|
| L6 and ((chang\$3 or modify\$3 or updat\$3 or (up near dat\$3)) near schema\$1) | 1 |

Database:

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Search:

L7

Refine Search

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Interrupt

Search History

 DATE: Wednesday, February 25, 2004 [Printable Copy](#) [Create Case](#)

| <u>Set Name</u> side by side | <u>Query</u> | <u>Hit Count</u> | <u>Set Name</u> result set |
|---|---|------------------|-------------------------------|
| <i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i> | | | |
| <u>L7</u> | L6 and ((chang\$3 or modify\$3 or updat\$3 or (up near dat\$3)) near schema\$1) | 1 | <u>L7</u> |
| <u>L6</u> | L5 and (chang\$3 or modify\$3 or updat\$3 or (up near dat\$3)) | 58 | <u>L6</u> |
| <u>L5</u> | L3 and L2 | 58 | <u>L5</u> |
| <u>L4</u> | L3 and L1 | 1 | <u>L4</u> |
| <u>L3</u> | (document\$1 near retriev\$) near3 request\$3 | 400 | <u>L3</u> |
| <u>L2</u> | "unique identifier" | 15337 | <u>L2</u> |
| <u>L1</u> | "unique identifier value" | 77 | <u>L1</u> |

END OF SEARCH HISTORY

Hit List

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Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 20020007375 A1

Using default format because multiple data bases are involved.

L7: Entry 1 of 1

File: PGPB

Jan 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020007375

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020007375 A1

TITLE: Document management method and computer-readable storage medium storing program code for executing the same

PUBLICATION-DATE: January 17, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|------------|-------|-------|---------|---------|
| Ebata, Jun | Tokyo | | JP | |

US-CL-CURRENT: 715/513; 707/100

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | RUMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

| Terms | Documents |
|---|-----------|
| L6 and ((chang\$3 or modify\$3 or updat\$3 or (up near dat\$3)) near schema\$1) | 1 |

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First Hit**End of Result Set**

Generate Collection

Print

L7: Entry 1 of 1

File: PGPB

Jan 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020007375

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020007375 A1

TITLE: Document management method and computer-readable storage medium storing
program code for executing the same

PUBLICATION-DATE: January 17, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|------------|-------|-------|---------|---------|
| Ebata, Jun | Tokyo | | JP | |

ASSIGNEE-INFORMATION:

| NAME | CITY | STATE | COUNTRY | TYPE CODE |
|--------------------|---------|-------|---------|-----------|
| RICOH COMPANY, LTD | Ohta-ku | | JP | 03 |

APPL-NO: 09/ 838268 [PALM]

DATE FILED: April 20, 2001

FOREIGN-APPL-PRIORITY-DATA:

| COUNTRY | APPL-NO | DOC-ID | APPL-DATE |
|---------|-------------|--------------------|----------------|
| JP | 2000-121843 | 2000JP-2000-121843 | April 21, 2000 |

INT-CL: [07] G06 F 17/21

US-CL-PUBLISHED: 707/513; 707/100

US-CL-CURRENT: 715/513; 707/100

REPRESENTATIVE-FIGURES: 5

ABSTRACT:

A document management method uses a plurality of document schemas to manage a document retrieval request, the document schemas defining a structure of document contents, each document schema including a plurality of attributes. In the document management method, a schema identifier is assigned to each of the plurality of document schemas by generating a global unique identifier value every time a schema name of a new document schema is input. An attribute identifier is assigned to each of the plurality of attributes of one of the plurality of document schemas by generating another global unique identifier value.